

式の計算の利用

年 組 名前

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■ 次の式の空欄に正しい数字をあてはめて、整数の積を求めなさい。

① 31×29

$$31 \times 29 = \left(30 + \boxed{} \right) \left(30 - \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

② 47×53

$$47 \times 53 = \left(50 - \boxed{} \right) \left(50 + \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

③ 43×57

$$43 \times 57 = \left(50 - \boxed{} \right) \left(50 + \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

④ 38×22

$$38 \times 22 = \left(30 + \boxed{} \right) \left(30 - \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

⑤ 35×45

$$35 \times 45 = \left(40 - \boxed{} \right) \left(40 + \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

⑥ 26×14

$$26 \times 14 = \left(20 + \boxed{} \right) \left(20 - \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

⑦ 24×16

$$24 \times 16 = \left(20 + \boxed{} \right) \left(20 - \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

⑧ 38×42

$$38 \times 42 = \left(40 - \boxed{} \right) \left(40 + \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

⑨ 85×75

$$85 \times 75 = \left(80 + \boxed{} \right) \left(80 - \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

⑩ 56×64

$$56 \times 64 = \left(60 - \boxed{} \right) \left(60 + \boxed{} \right)$$

$$= \boxed{} - \boxed{}$$

$$= \boxed{}$$

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① 31×29

$$\begin{aligned} 31 \times 29 &= \left(30 + \boxed{1} \right) \left(30 - \boxed{1} \right) \\ &= \boxed{900} - \boxed{1} \\ &= \boxed{899} \end{aligned}$$

② 47×53

$$\begin{aligned} 47 \times 53 &= \left(50 - \boxed{3} \right) \left(50 + \boxed{3} \right) \\ &= \boxed{2500} - \boxed{9} \\ &= \boxed{2491} \end{aligned}$$

③ 43×57

$$\begin{aligned} 43 \times 57 &= \left(50 - \boxed{7} \right) \left(50 + \boxed{7} \right) \\ &= \boxed{2500} - \boxed{49} \\ &= \boxed{2451} \end{aligned}$$

④ 38×22

$$\begin{aligned} 38 \times 22 &= \left(30 + \boxed{8} \right) \left(30 - \boxed{8} \right) \\ &= \boxed{900} - \boxed{64} \\ &= \boxed{836} \end{aligned}$$

⑤ 35×45

$$\begin{aligned} 35 \times 45 &= \left(40 - \boxed{5} \right) \left(40 + \boxed{5} \right) \\ &= \boxed{1600} - \boxed{25} \\ &= \boxed{1575} \end{aligned}$$

⑥ 26×14

$$\begin{aligned} 26 \times 14 &= \left(20 + \boxed{6} \right) \left(20 - \boxed{6} \right) \\ &= \boxed{400} - \boxed{36} \\ &= \boxed{364} \end{aligned}$$

⑦ 24×16

$$\begin{aligned} 24 \times 16 &= \left(20 + \boxed{4} \right) \left(20 - \boxed{4} \right) \\ &= \boxed{400} - \boxed{16} \\ &= \boxed{384} \end{aligned}$$

⑧ 38×42

$$\begin{aligned} 38 \times 42 &= \left(40 - \boxed{2} \right) \left(40 + \boxed{2} \right) \\ &= \boxed{1600} - \boxed{4} \\ &= \boxed{1596} \end{aligned}$$

⑨ 85×75

$$\begin{aligned} 85 \times 75 &= \left(80 + \boxed{5} \right) \left(80 - \boxed{5} \right) \\ &= \boxed{6400} - \boxed{25} \\ &= \boxed{6375} \end{aligned}$$

⑩ 56×64

$$\begin{aligned} 56 \times 64 &= \left(60 - \boxed{4} \right) \left(60 + \boxed{4} \right) \\ &= \boxed{3600} - \boxed{16} \\ &= \boxed{3584} \end{aligned}$$